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Arsenic and Arsenical Pesticides

A Bibliography of
Technical Publications on
Uses, Environmental Chemistry
and Health Effects

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The keyword index is idiosyncratic, in that it also reflects the authors' personal needs for reprint organization. The index should be used as follows: (1) Scan the ENTIRE keyword index for relevant terms; (2) start with the more specific keywords; (3) recognize that some keywords such as "residues," "human," "review" are used mainly to describe rather than classify reprints.

It is unfortunate that we cannot indicate the quality of individual references, and we certainly do NOT mean to imply that the presence of a reference herein means that we recommend it! We included all references we had, sometimes to ensure we would not read them again. It is the common bane of all researchers that only a fraction of the scientific papers published are worth reading. On the other hand, if a paper has been a really significant contribution to the fields listed above, it is likely to be in this collection.

We wish to express our appreciation to Gorm Emberland, who wrote and executed the computer programs to combine the two data bases. These were originally on different computers and were compiled under different operating systems; it was a difficult job.

ARSENIC AND ARSENICAL PESTICIDES: A BIBLIOGRAPHY OF
TECHNICAL PUBLICATIONS ON USES, ENVIRONMENTAL CHEMISTRY,
AND HEALTH EFFECTS

Edwin A. Woolson and R. Don Wauchope

This bibliography is a compilation of articles from the technical literature that have been collected by the authors over 33 years of combined professional experience. The compilation was done by combining the separate bibliographic data bases the authors had assembled for their own research needs. The selection thus reflects the research interests of the authors, which includes especially, for arsenic and arsenical compounds:

- . analysis, especially by flameless atomic absorption spectroscopy, and including speciation techniques.
- . symptomatic toxicology especially of the pesticidal compounds (efficacy), and plant and animal metabolism.
- . environmental "chemodynamics"; that is, the movement, persistence and transformation of arsenic compounds in soil, water, and air.
- . arsenic and arsenic compounds as pollutants, especially as a result of commercial uses as pesticides (herbicides, wood preservatives, drugs, defoliants, desiccants).
- . environmental chemistry and analysis of related elements, especially selenium, antimony, and tin; other metals are often included.
- . detailed soil chemistry and soil microbiology of, especially, arsenate, arsenite, arsenic hydrides and methyl-substituted hydrides.
- . human dietary, occupational environmental exposure, including air and water.

While the bibliography is not exhaustive on these topics, it contains almost 3,500 citations and is current through 1984. Long titles or author lists are truncated by the limitations we used on those data-base fields, and we regret any inconveniences this may cause.

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